

- Type 1 - Mature and mid-aged trees with shrubby vegetation at all heights.
 Type 2 - Mature and mid-aged trees with little or no shrubby vegetation.
 Type 3 - Intermediate-aged trees with dense shrubby vegetation.
 Type 4 - Intermediate -aged trees with little or no shrubby vegetation..
 Type 5 - Young stands with dense shrubby vegetation.
 Type 6 - Very young, low, and/or sparse vegetation.

The Hink and Ohmart Classification system denotes the relative abundance of woody plant species and the characteristic structure of the plants within a community.

Plant species are recorded according to the relative abundance of the species cover within two layers. The most abundant species (over 25% cover) is listed first and other species (if over 25% cover) are listed in order of abundance. Species within a layer are separated by a "-". Canopy and understory layers are separated by a "/". Typically one or two species are recorded for each layer, but record as many species as qualify (up to 4). Structural classes 1-6 are assigned based on percent canopy and understory cover and height of vegetation. **Note: Height is measured in 5 foot increments.**

Riparian Woody Vegetation

Multiple story communities

Canopy Layer / Understory Layer Structural Class
species(>=25%)-species(>=25%)/ species(>=25%)-species(>=25%) 1-6
C-Tw/SC 3

Type Definitions

Type 1 - Tall trees with well developed understory. Tall or mature to mixed-aged trees (>40ft) with canopy covering >25% of area of the community (polygon) with significant understory layer (0-40ft) covering >25% of area of the community (polygon). Substantial foliage in all height layers.

Type 1F – Type 1 with dense (>75%) understory cover.

Type 1S – Type 1 with sparse, patchy (25-50%) understory cover.

Type 2 – Tall tree canopy with little or no understory vegetation. Tall or mature trees (>40ft) with canopy covering >25% of area of the community (polygon), without significant understory layer (0-40ft) covering <25% of area of the community (polygon). Majority of foliage over 30ft.

Type 3 – Intermediate-sized trees with dense understory vegetation. Intermediate sized trees (20 - 40ft) with canopy covering >25% of area of the community (polygon) with significant understory layer (0-20ft) covering >25% of the area of the community (polygon). Majority of foliage between 0 and 30 ft.

Type 3F – Type 3 with dense (>75%) understory cover

Type 3S – Type 3 with sparse, patchy (25-50%) understory cover.

Type 4 –Intermediate-sized trees openly spaced with little understory. Intermediate-sized trees (20-40ft) with canopy covering > 25% of the area of the community (polygon) without significant understory covering < 25% of the area of the community (polygon). Majority of foliage between 15 and 30 ft.

Single Story Communities

Shrub Layer	Structural Class
species(>25%)-species(>25%)-species(>25%)-species(>25%)	5 or 6
CW-SC5	

Type 5. Stands with dense shrubby growth. Shrubby vegetation (**0-15ft**) covering **>25%** of community (polygon). Majority of vegetation between 0 and 15 ft.

Type 5F – Type 5 with dense (**>75%**) understory cover.

Type 5S – Type 1 with sparse, patchy (**25-50%**) understory cover.

Type 6. Very young low and/or sparse. Shrubby vegetation (**0-5ft**) covering **< 25%** of community (polygon). Majority of foliage between 0 and 5 ft.

Marsh/Wetlands

MS- Meadow

MH – Marsh with cattail or rush other permanent marsh vegetation

Other

Ag - Agriculture

OP – open area/< than 25% aerial coverage vegetation

River

Road

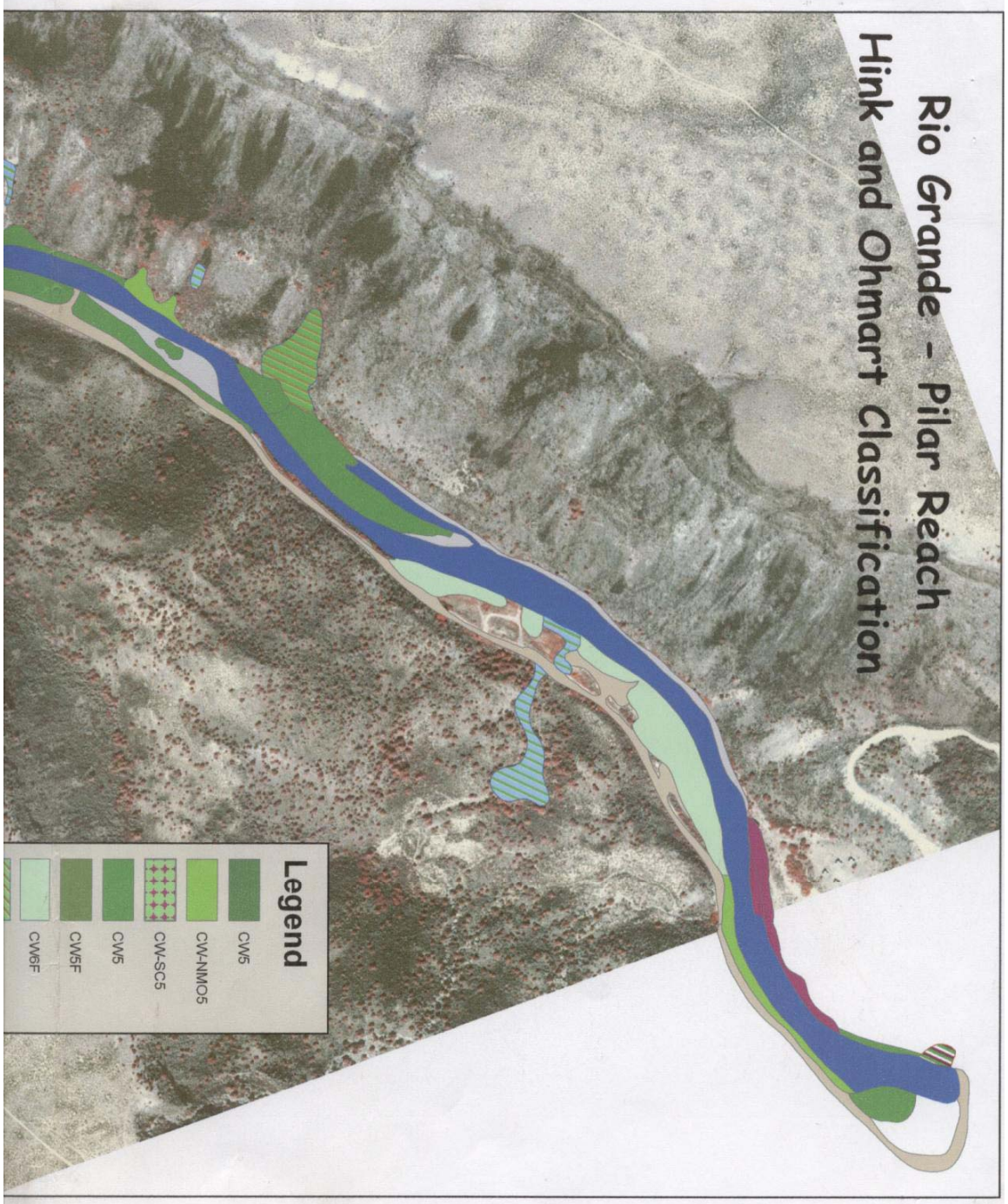
OW – open water

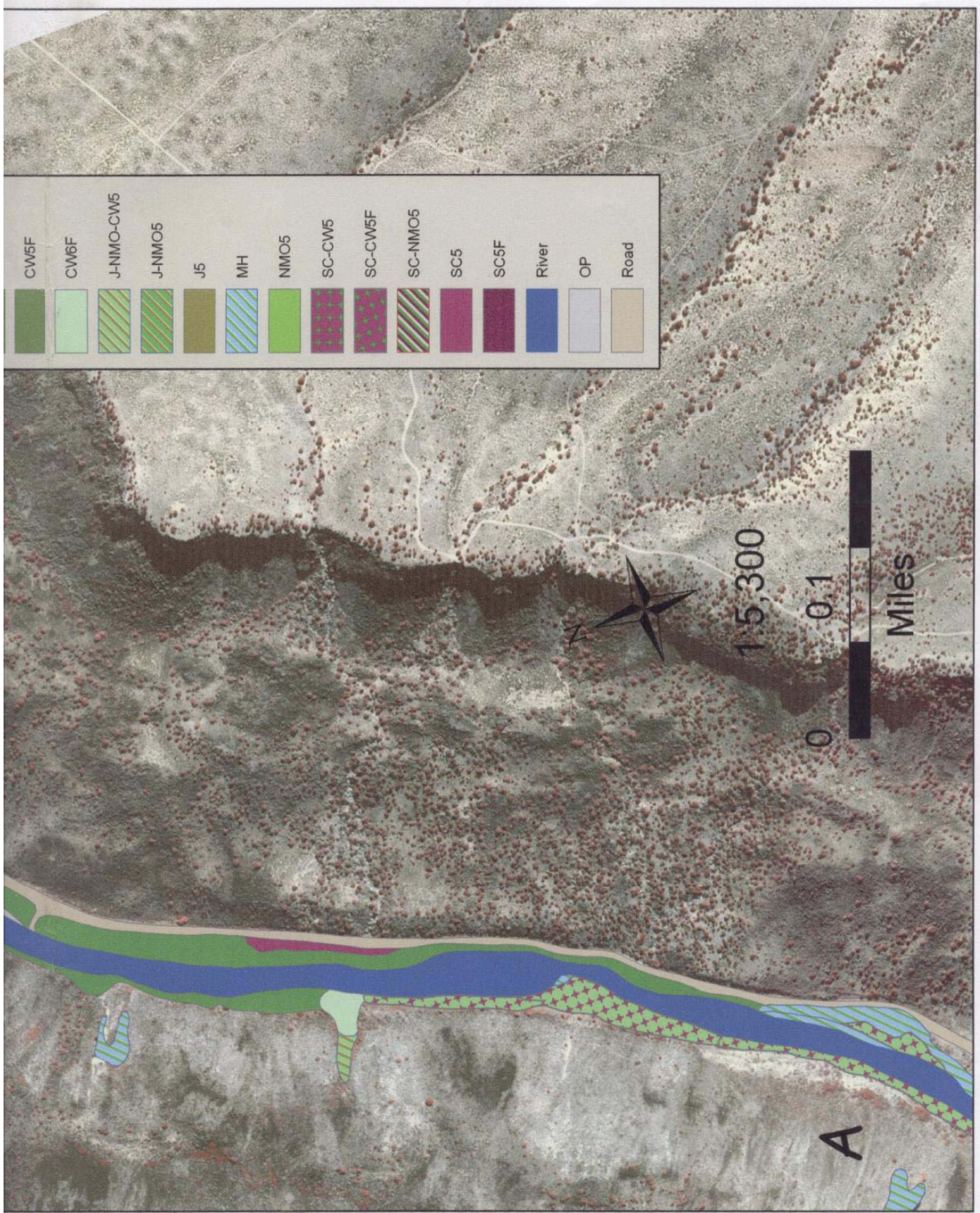
A	N	False Indigo Bush		<i>Amorpha fruticosa</i>	A = False Indigo Bush
ATX	N	Fourwing Saltbush		<i>Atriplex canescens</i>	ATX = Fourwing Saltbush
B	N	Baccharis (Seep Willow)		<i>Baccharis salicifolia, B. salicina</i>	B = Baccharis (Seep Willow)
BD	N	Broom Dalea	Purple Sage	<i>Psoralea scoparius</i>	BD = Broom Dalea
BE	E	Box Elder		<i>Acer Negundo</i>	BE = Box Elder
CC	N	Cottonwood	Rio Grande Cottonwood	<i>Populus deltoides (ssp. monilifera, ssp. wislizeni) or P. fremontii, P. wislizeni, P. angustifolia</i>	CC = Cottonwood
CAT	N	Cattail		<i>Typha latifolia</i>	CAT = Cattail
CR	N	Creosote	Hediondilla	<i>Larrea tridentata</i>	CR = Creosote
CT	E	Catalpa	Cigar Tree	<i>Catalpa speciosa</i>	CT = Catalpa
CW	N	Coyote Willow		<i>Salix exigua</i>	CW = Coyote Willow
DF	N	Douglas Fir		<i>Pseudotsuga menziesii</i>	DF = Douglas Fir
HL	E	Honey Locust		<i>Gleditsia triacanthos</i>	HL = Honey Locust
HMS	N	Honey Mesquite		<i>Prosopis glandulosa</i>	HMS = Honey Mesquite
J	N	Juniper		<i>Juniperus monosperma, J. scopularum</i>	J = Juniper
LC	N	New Mexico Locust		<i>Robinia neomexicana</i>	LC = New Mexico Locust
LY	N	Wolfberry		<i>Lycium pallidum or L. torreyi, L. andersonii</i>	LY = Wolfberry
MB	E	Mulberry	White Mulberry	<i>Morus alba</i>	MB = Mulberry
NMO	N	New Mexico Olive		<i>Forsteria neomexicana</i>	NMO = New Mexico Olive
PIN	N	Pine species		<i>Pinus edulis, P. ponderosa</i>	PIN = Pine species
Q	N	Oak	Gambel's Oak	<i>Quercus spp., Q. gambelii</i>	Q = Oak
RB	N	Rabbitbrush	Rubber Rabbitbrush	<i>Ericameria nauseosa, Chrysothamnus nauseosus</i>	RB = Rabbitbrush
RO	E	Russian Olive		<i>Elaeagnus angustifolia</i>	RO = Russian Olive
SA	N	Sagebrush	Sand Sage, Big Sagebrush	<i>Artemisia filifolia, A. dracunculoides, A. canutii, A. tridentata</i>	SA = Sagebrush
SB	N	Silver Buffaloberry		<i>Shepherdia argentea</i>	SB = Silver Buffaloberry
SBM	N	Screwbean Mesquite	Tornillo	<i>Prosopis pubescens</i>	SBM = Screwbean Mesquite
SC	E	Salt Cedar		<i>Tamarix pendandra, T. ramosissima, T. chinensis</i>	SC = Salt Cedar

SE	E	Siberian Elm		<i>Ulmus pumila</i>	SE = Siberian Elm
SN	N	Snakeweed		<i>Gutierrezia sarothrae</i>	SN = Snakeweed
TH	E	Tree of Heaven	Smoke Tree	<i>Ailanthus altissima</i>	TH = Tree of Heaven
TS	N	Threeleaf Sumac	Skunkbush, Squawbush, Gooding's Willow, Black Willow	<i>Rhus trilobata</i>	TS = Threeleaf Sumac
TW	N	Tree Willow		<i>Salix gooddingii, S. amygdaloides</i>	TW = Tree Willow

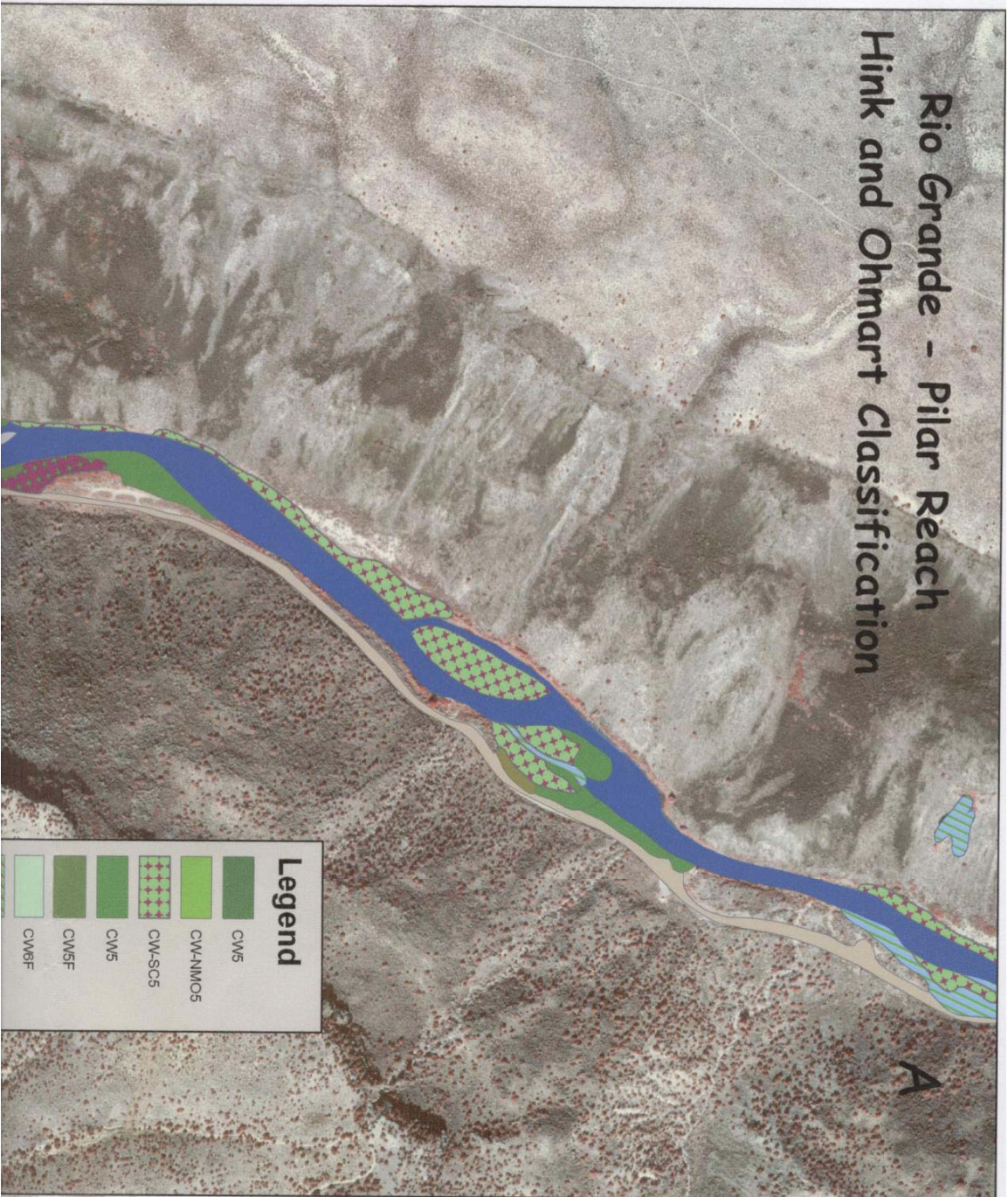
Rio Grande - Pilar Reach

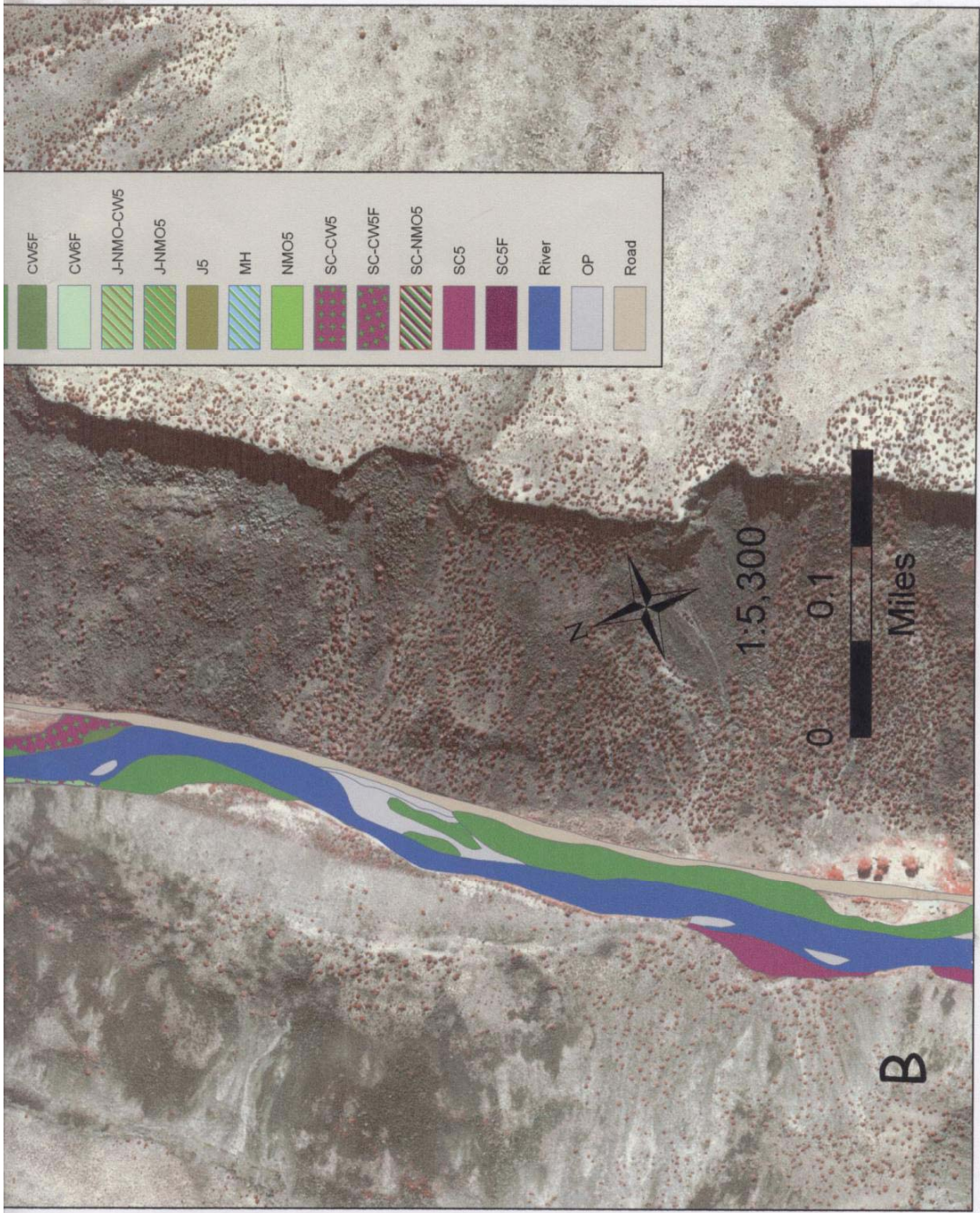
Hink and Ohmart Classification



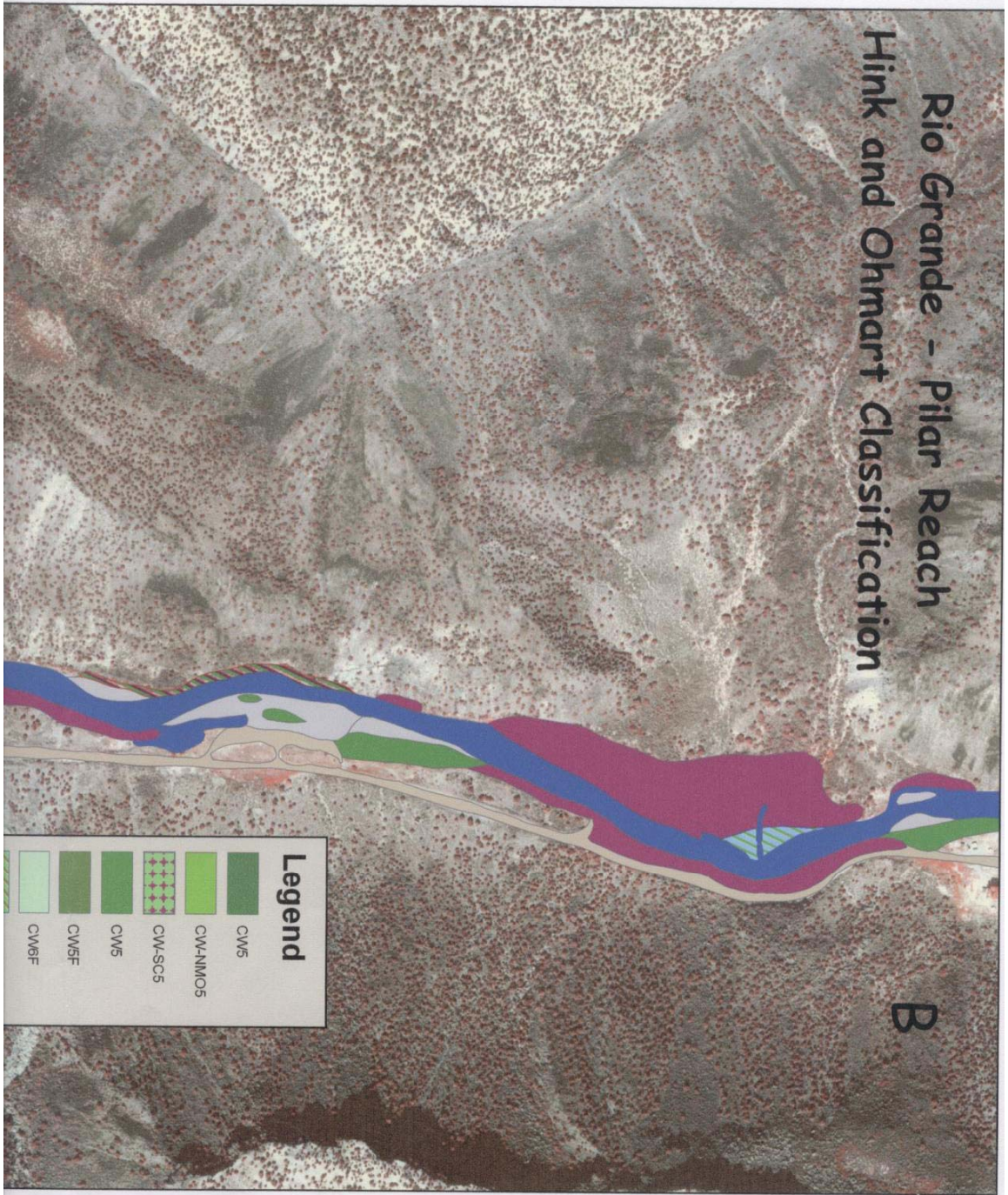


Rio Grande - Pilar Reach Hink and Ohmart Classification





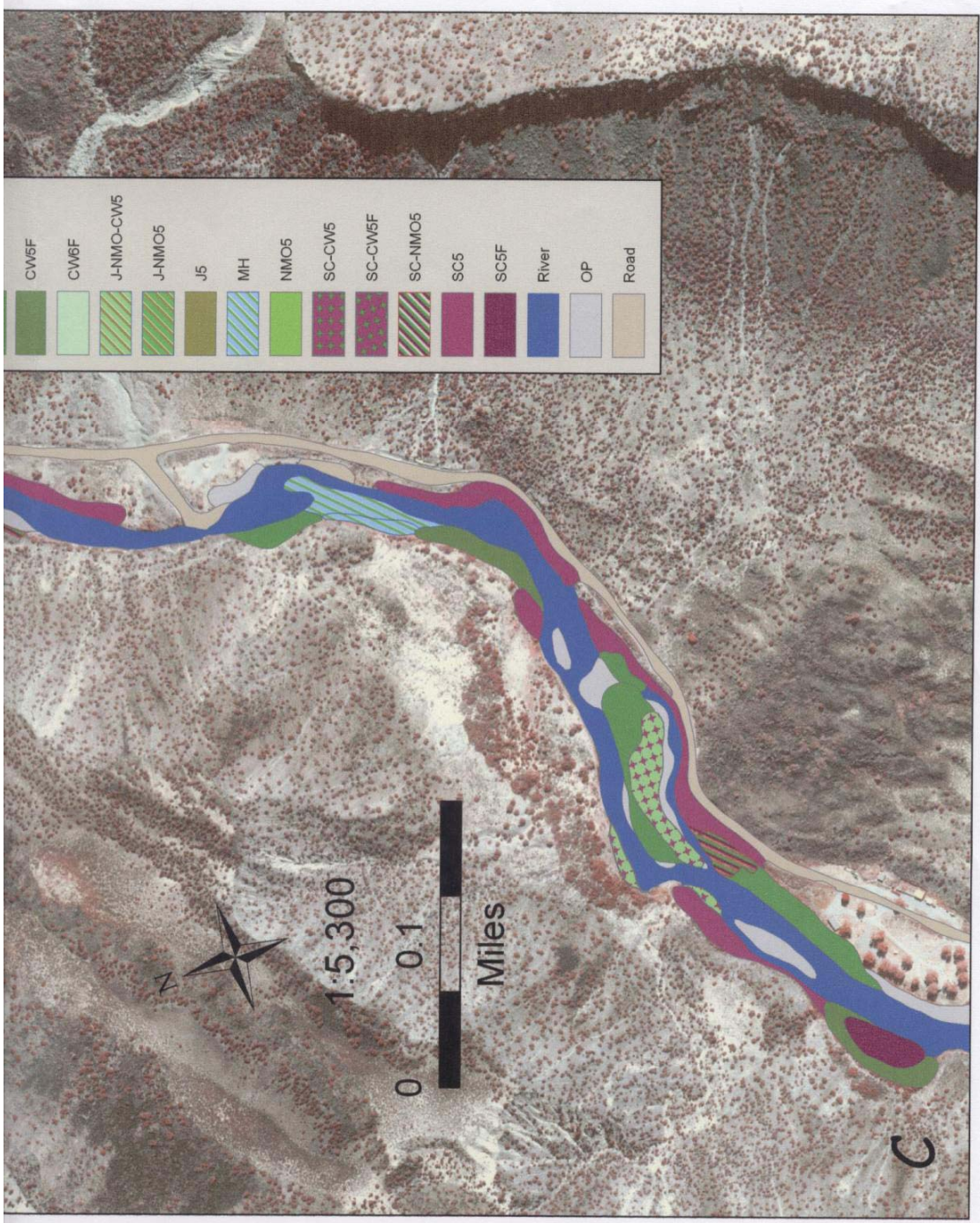
Rio Grande - Pilar Reach Hink and Ohmart Classification



B

Legend

- CM5
- CM4-NIM05
- CM4-SC5
- CM5
- CM5F
- CM6F



Rio Grande - Pilar Reach

Hink and Ohmart Classification

